

CLAIMS

1. A method for reducing call setup time comprising:
sending a channel assignment message to a mobile station (MS);
5 performing traffic channel initialization procedures with the MS;
after completing traffic channel initialization procedures, sending a
base station acknowledgment message to the MS;
proceeding to transmit signaling to the MS without waiting to receive an
MS acknowledgment in response to the base station acknowledgment
10 message.
2. The method of claim 1, further comprising
after proceeding to transmit signaling to the MS, receiving an MS
acknowledgment in response to the base station acknowledgment message.
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3. The method of claim 1, further comprising
receiving, before sending the channel assignment message, an
origination message from the MS.
- 20 4. The method of claim 3, wherein the origination message comprises a
message from the group consisting of an Origination Message and an
Enhanced Origination Message.
5. The method of claim 1, further comprising:
25 transmitting a page to the MS;
receiving, in response to the page and before sending the channel
assignment message, a page response from the MS.

6. The method of claim 1, wherein proceeding to transmit signaling to the MS comprises transmitting signaling to the MS from the group consisting of service request messaging, service connect messaging, status request messaging, and handoff messaging.

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7. The method of claim 1, wherein proceeding to transmit signaling to the MS comprises transmitting to the MS signaling related to functions from the group consisting of service negotiation, data burst handling, handoff processing, and authentication.

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8. The method of claim 1, wherein performing traffic channel initialization procedures comprises receiving an indication that the MS is successfully receiving base station messaging to the MS.

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9. The method of claim 1, wherein performing traffic channel initialization procedures comprises transmitting forward link frames to the MS.

10. The method of claim 1, wherein performing traffic channel initialization procedures comprises receiving from the MS signaling from the group consisting of a traffic channel preamble, reverse pilot frames, and null frames.

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11. The method of claim 1, wherein the channel assignment message comprises a message from the group consisting of a Channel Assignment Message and an Enhanced Channel Assignment Message.

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12. The method of claim 1, wherein the base station acknowledgment message comprises a message from the group consisting of a BS ACK Order message and a Link Access Control ping message.

13. The method of claim 1, wherein the MS acknowledgment comprises a message from the group consisting of an MS ACK Order message and a Link Access Control ping message.

14. A base station comprising:
wireless transceiver equipment (WTE) adapted to transmit and receive
messaging to a mobile station (MS);
a controller, communicatively coupled to the WTE,
5 adapted to send, via the WTE, a channel assignment message
to the MS,
adapted to perform, via the WTE, traffic channel initialization
procedures with the MS,
adapted to send, via the WTE, a base station acknowledgment
10 message to the MS, after completing traffic channel initialization procedures,
adapted to proceed to transmit signaling, via the WTE, to the
MS without waiting to receive an MS acknowledgment in response to the base
station acknowledgment message.
- 15 15. The base station of claim 14, wherein the controller is further adapted
to receive, via the WTE, an MS acknowledgment in response to the base
station acknowledgment message, after proceeding to transmit signaling to
the MS.
- 20 16. The base station of claim 14, wherein the controller is further adapted
to receive, via the WTE, an origination message from the MS, before sending
the channel assignment message.
- 25 17. The base station of claim 14, wherein the controller is further
adapted to transmit, via the WTE, a page to the MS, and
adapted to receive, via the WTE, a page response from the MS, in
response to the page and before sending the channel assignment message.

18. The base station of claim 14, wherein proceeding to transmit signaling to the MS comprises transmitting signaling to the MS from the group consisting of service request messaging, service connect messaging, status request messaging, and handoff messaging.

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19. The base station of claim 14, wherein proceeding to transmit signaling to the MS comprises transmitting to the MS signaling related to functions from the group consisting of service negotiation, data burst handling, handoff processing, and authentication.

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20. The base station of claim 14, wherein performing traffic channel initialization procedures comprises receiving an indication that the MS is successfully receiving base station messaging to the MS.

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